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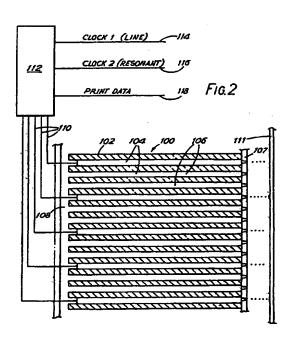
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## **EUROPEAN PATENT APPLICATION**

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- Method of multi-tone printing.
- A method of multi-tone printing employs a dropon-demand printing apparatus (100) for depositing ink droplets on printing element areas of a substrate (111) which is movable relatively to said apparatus. The droplets are deposited from an array of channels (104) on substrate (111) which is movable relatively to the channels. The channels length and nozzle location and dimensions afford each channel with a high longitudinal resonant frequency and electrically actuable means (110,112,114,116,118) supply energy pulses to selected channels at or near the resonant frequency of the channels to deposit from each selected channel in the corresponding printing element area of the substrate a number of drops equal to the number of pulses applied thereto, the number of pulses applied being dependent on the tone of printing required. Single channel and colour versions of the invention are also disclosed.



## **EUROPEAN SEARCH REPORT**

EP 90 31 1001

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1	DOCUMENTS CONSI	DERED TO BE RE	LEVANT			
Category	Citation of document with i	ndication, where appropriate, ssages	Re to	levant claim	CLASSIFICATION OF THE APPLICATION (Int. CL5)	
•	US-A-4536097 (NILSSON, * abstract; figures * * column 3, line 57 - c		10-	19, 32, 35,	841J2/205	
A	GB-A-2157623 (EXXON RES CO.) * abstract; figures 1-3 * page 3, line 25 - pag	3 *	14-1 22,	25 33, 37,		
D,A	US-A-4513299 (LEE, F.C.	ET AL)			•	
^	EP-A-124190 (HEWLETT-PA	CKARD COMPANY)				
		<del></del>			TECHNICAL FIELDS SEARCHED (Int. Cl.5)	
					B41J	
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	The present search report has b				Standard .	
Place of search Date of comp THE HAGUE 03 MAY			(No search	ROBERTS N.		
X : part Y : part doc A : tech O : non	CATEGORY OF CITED DOCUME ilcularly relevant if cambined with an unest of the same category inological backgroundwritten disclosure ransediate document	NTS T: the E: ear after the C: doc L: doc L: doc A: me	I: theory or principle underlying the investion :: earlier patent document, but published on, or after the filling date 0: document cited in the application :: document cited for other reasons  A: member of the same patent family, corresponding document			